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575

June 7, 1904. A trip along the Patapasco from Union Dam to Alburton. I got to U.D. by way of the Rolling Rd and route to the Pump House. At U.D. I found a bird's nest containing one young bird and two green eggs. I think it was the nest of a cat bird. The trip through the thick undergrowth, especially to-day when it was so wet and the air was laden with moisture, was not very pleasant and I was glad when I got to H. and could cross the river. Having crossed the river, I proceeded to A. Just as I came in sight of A. we had a shower which lasted about 2 hrs. At first it did not rain so very fast and I found shelter under a tree on the hillside, but raining so continuously, it soon rained through and I had to look for a better place. Fortunately there was some old lumber a short distance up the hillside. With it, I soon fixed up a fairly good shelter. After the rain ceased I proceeded to A. crossed the river and proceeded along the Johnny Cake Rd to Powhatan where I took the car for home. Before reaching P. it began to rain again so that I was quite wet by the time I reached the car.

576

June 9, 1904. With Section A. of Botany Class to Curtis Bay. It began to rain just as we were about to start on our trip and as it looked as if it might continue for some time, we decided to take the car and return. Still we had time to visit the *Aquilegia* which is still in bloom. *Poterium* is also blooming.

577.

June 11, 1904. Our first sailing trip. Mr K. invited the Botany Class ^{on} to a cruise down the river. We started from the small wharf near Fort McK. at about 9.30 A.M. At first everything went fine, the wind was just right, but towards noon we were becalmed. Anchor was then cast and we prepared for dinner. The main sail was lowered and an awning was stretched ^{over} across the deck. Seats were arranged, coffee cooked and the lunches spread out. Before we were through dinner the wind started up, We, therefore, finished our dinner as soon as possible and got under way. It was nearly two o'clock when we anchored not far from the shore and just a little below Hawkins Point. By two we had landed and were ready to start on our botanical trip. Close to the shore is quite a large marsh. No doubt it was once a large pond like Swan Creek is at present, but it has gradually filled up with growing vegetable matter. We started around this swamp, but as there was

very little to be found of botanical interest we decided to go to Swan Creek. This we did, but we arrived there too late to do any botanizing as we wished to get back to the boat by 3.30 P.M. This most of us did but it was about 4 before we were ready to start homeward. The wind, again, was all that could be desired at first but soon died out and we proceeded very slowly. It was ~~sun~~ down when we reached the port and eight o'clock before we landed our folk. The boat then had to be "cleared up" so that it was nine o'clock before we boarded the car and started homeward. Everybody was heartily pleased with their trip.

578

June 12, 1904. To Back Shore with Walter & Percy. Pretty Snail Hollow will soon be a thing of the past. The debris brought from the burnt district is being dumped here. It would seem that that the B. & O. railroad company intends to straighten one of its curves at this point.

579

June 16, 1904. With Section A. along Herring Run. We met at 3 P.M. About this time it looked very threatening, I thought ~~that~~ we surely would have a thunderstorm. But although it thundered we had but a light sprinkling, not enough to wet the foliage.

We took the usual route. Found *Tephrosia* in bloom.

580

June 17, 1904. With Section B. We met at the Dickeyville terminus, crossed the falls and proceeded to Gwynn Oak Park. Because of the rain there was not a full attendance. Those that attended were very much pleased with the trip. It was about 3.30 when we started and about 6 when we reached the park.

581.

June 18, 1904. A trip to the Dickeyville woods, Gwynn Oak and Powhatan. In the woods, I found a large patch of *Mitchella repens* in full bloom. The odor of the blossoms were very pronounced. The day was very warm, nevertheless I enjoyed my trip very much. Powhatan will now, no doubt, be called Woodlawn, after the large cemetery. A workman there, said it is to be the largest cemetery in the world. No lots will be sold for less than \$1000 apiece.

582.

June 20, 1904. A trip to Catox Ar. and the woods south of St Marks Industrial School. *Tephrosia* is now in full bloom. I took a path leading through a little village and came to a very nice spring. As it was so very warm and it looked as if we might have a thunderstorm I did not make a very long trip. I reached home about 5 P.M. having been out about 3 hours.

583

June 23, 1904. Along Gwynn's Falls from Mt. Holly bridge to Dickeyville with Section A. of my Botany Class. New plants added to our list were *Cimicifuga racemosa* and *R. velutina*.

584.

June 24, 1904. With Section B. through the ravine. We took the Hilton Ar. route, entering the ravine by way of Fox Run. When we reached the railroad we rested a little while and then proceeded to the Observatory. Here we stopped to enjoy a little lunch. Going home, we proceeded along the ridge, then to the pump house and the road. It was about 3.45 P. M. when we started and about 8 when we returned to the terminus, homeward bound. The day was very pleasant.

585.

June 25, 1904. To R. B. with four members of my botany class. We left the city at 8.30 A. M. arriving at our destination at 9.30. We proceeded to the Cypress Swamp, stopping on our way at Mr. De and also at the cemetery, where we stopped a short time to examine the huge graves. It was very hot so we proceeded very slowly. About noon we found a shady nook and after a brief rest, ate our lunch. We were in no hurry to proceed, it was, therefore half past three before we ^{returned} reached the station. On the way we found a pretty little bird's nest.

In it were three little eggs. Close to the nest was a large red mulberry tree filled with luscious fruit. Arrived at the station we put our package away and proceeded to the hotel. We stopped at the spring and quenched our thirst. Here it was so cool and pleasant that we remained near it for over an hour. We then walked along the shore a short distance and returned to the station. Every body, notwithstanding the heat, seemed delighted with the trip.

586.

June 27, 1904. A short trip to Gwynn Oak Junction and return. I left home about 2 P.M. It was therefore nearly half past two before I reached Calvert & Baltimore Sts. where I took the car for G. O. J.

It was very pleasant, the day being cloudy.

587.

July 1, 1904. A trip to "The Caves". I took the same route as on my last trip to this region. To-day, however did not go along the new road but proceeded to the corduroy road. This road was then followed to the stream. I then entered the woods and followed the stream to the road to S. From S. proceeded to P. where I took the car. for home.

588.

July 2, 1904 With Mr. S. to E. We met at Camden station and took the 8.30 A.M. train. We arrived at E. a little after

* Yesterday found my first *Agaricus campestris*.

1122.

9 o'clock. We at once set out for M. Muchmore where quite abundant and we noted a number of different kinds. At noon we were some distance down the stream and finding a nice spring, ate our dinner. After dinner we retraced our steps reaching E. in time to take the afternoon train.

⁵⁸⁹ July 6, 1904. To Canton Ballast region. Nearly all the old plants were found.

⁵⁹⁰ July 9, 1904 To Story Creek. When I left home, it was cloudy and it looked as if we would have rain, the wind, too, was from the north-east, so took an umbrella. There was, however, no rain, and the sun shone the greater part of the day. Left home on the early boat and returned in the evening.

⁵⁹¹ July 13, 1904. ^{*}To Glenburnie. The morning was delightfully cool, the change having followed yesterday's rain. Since summer began there has been but four days on which no rain has fallen.

To-day, I paid particular attention to the fern region. I found it much larger than I had at first expected. Saw Mill Branch and Furness Br. were both very muddy. I left home at 8 A.M. and returned ~~to~~ about the same time in the evening.

592

July 15, 1904. With N. and the children to Back Stream. The children enjoyed their plunge into the water very much. It was so cool and pleasant, that we remained until after sun down.

593

July 16, 1904. A trip from Belair Rd to Stemmer Run. To-day it was again very warm. A trip of this kind should always be ^{best} taken in the winter, when it is pleaster to walk along open roads. One can then make note of the woods, the streams, etc etc for future reference. The trip was quite an enjoyable one, notwithstanding the heat, the sunny roads and my lack of knowledge of the place.

594

July 20, 1904. Through the ravine and along the River Rd. I reached the terminus at Catonsville at about half past eight and proceeded at once to the ravine. Visited Owl Spring, Run Camp and Camp Cogy. Crossed the river at Orange Grove. Noticed a number of interesting changes along the River Rd. Recrossed the river by way of the hanging bridge "Katharine" and then walked home by way of the B & O. R. R.

595

July 23, 1904. To Round Bay. This is the 24th day, so far this

summer on which it has rained. Of course, weather like this is particularly good for the fungi and the ferns. The former particularly are very fine. The dampness does not seem to have any effect upon the jiggers; they are as plentiful as ever. Returned home on the noon train as I had an engagement for the afternoon.

⁵⁹⁶ July 27, 1904. With Mr. S and Mr. F. along Gwynne Falls. We were particularly interested in the fungi. The day was pleasant and we enjoyed our trip very much.

⁵⁹⁷ July 30, 1904. A trip from Orange Mills to West Arlington. Near ~~the~~ Sudbrook Park I met a young man, an undergraduate student of the Hopkins getting geological specimens of Peridotite. The mineral is very tough, and it is was hard work shaping it to the required size.

⁵⁹⁸ August 3, 1904. To Chain's woods, with Mr. S. ^{Solberg} We met at the terminus of the Curtis Bay electric line, went through Platts Park and were ferried across. The large chestnut woods were to be visited to-day. Dinner was eaten on the shore. Learned that a fine large spring called the Gushing Spring was

on the property, not far from the shore.

599

August 4, 1904. To Stone-house Cove with N. and the children.

We had a little row, which was enjoyed very much. We remained till after sunset.

600

August 6, 1904. Yesterday morning at 10 o'clock we left the Arundel Club House for a week's cruise, on the barge Delight. We reached the Gunpowder and landed off Maxwell Pt. at 7.30 P.M. To-day we visited the buried forest and the fossil cypress trees. We (M.K. & I) then, went to Magnolia to mail our letters. After dinner we went to Bird River.

601

August 7, 1904. Visited Dundee Creek and Chase's Station.

In the creek grows the greatest variety of water plants. After dinner we sailed for Middle River and landed off Turkey Point about 6 P.M. Rowed to T.P. for water.

602

August 8, 1904 Rowed to Sue Island, and later to T.P. B. and I had intended going around Sue Creek but we found it impracticable so walked a short distance along the shore. After dinner C.K. and I rowed to Bowley Pt and later to Bowley Pt.

After supper, B., K., C.K., and I rowed up the river in search

for B. who failed to return; we, however, were not successful in finding him.

603

August 9, 1904. Again up the river, this time to the bridge. Here we found B. After a trip to the Post Office, we M. K. B. & I rowed down the stream. Close to Pinery Pt. I found a large egg. Probably a swan's egg.

After dinner we went back to Pinery Pt and rowed around Norman Cr. A storm, now coming up we rowed at once for the boat. We now sailed up the river farther to be protected from the incoming swell.

604

August 10, 1904. Visited Hughes chore, then got aboard the bug-eye and sailed down to Sue Is. After dinner started for Back River. Reach our destination and landed off Clay-bank Pt. about 5 P. M. Visited the little cove just beyond the Point.

605

August 11, 1904. Visited Rocky Pt and Cedar Pt. After dinner went to Nath Pt. P. O. and then took the road to Millin Island Light-house. (Rear Light of Craigbill Channel) In the meanwhile the bug-eye sailed around the island.

I was to be met about 6 P.M. Reaching the beach already at 4.30 P.M. I went to the light house and enjoyed a chat with the keeper and a visit to the top. While there C.K. came for me. Again we had to wait for B. who came aboard about 7.30 P.M. We then sailed up the river to Sparrow Pt.

^{606.} August 12, 1904 We visit Sparrow Pt. It was our intention to enter Beadr Cr., but we finally decided to start for home. This we did arriving at the boat house about 4. P.M.

⁶⁰⁷ August 13, 1904. A trip to Brooklyn with W. & P.

⁶⁰⁸ August 17, 1904. A trip with B. from W. to A. and then to E.C. B. was anxious to get some pictures of the Patapiscus, hence the trip. We started from home about 8.30 A.M. The morning was cool and pleasant but towards noon it became quite warm.

Several fine pictures were secured. We reached home at 6.30 P.M.

^{609.} August 25, 1904 Visited to-day the south-western shore of Spring Gardens. Years ago before this property was owned by the Improvement Co. and before the electric cars ran along the shore, there was a beautiful little farm region in one of the little dells on the hillside. There were a great many different kinds, for so

small a place it was the richest in this respect. If I remember correctly, I think one of the Woodchairs grew here. It was to look up this fern that I made this trip. I had little difficulty finding the place, but what a change! Cows now are allowed to graze here. The hillside in many places are denuded of all vegetation caused by the animals climbing; in their endeavor to secure a foot-hold the ground is torn up. No need of saying that I looked in vain for the great variety of ferns. Very few of these delicate structures are able to stand such treatment. Three or four different forms only were found.

⁶¹⁰ August 27, 1904. To Glenburnie, the old furnace and Saw Mill pond. The road were covered with dust; from their appearance one might think that there had been no rain for months. Whereas, as a matter of fact, the summer has been a wet one, the amount of rain falling each time was, however, very little. In the little over 9 weeks of summer there have been 47 days on which it has rained, 8.88 inches of rain having fallen in that time.

⁶¹¹ August 30, 1904. With N. and the children from Guyton Oak Station to Dickeyville. It was cloudy, and the temperature just right to enjoy

the trip through the woods. We had a little sprinkling of rain but it did not amount to anything.

612

August 31, 1904. A trip from Curtis Bay to Watford; thence to Marley; and from there back to Curtis Bay. It was quite warm in the morning, and the roads being dusty, I did not enjoy the trip to W., where I arrived about noon. After eating my lunch I felt very much refreshed and my success botanically, buoyed me up so wonderfully, that on arriving at M., I decided to walk back to Curtis Bay rather than go on to Glenburnie and take the train.

613

September 3, 1904. To the ravine. I left home at 7 A.M. as was at the Catonsville terminus about 8. It was cloudy and the weather sticky. Thinking that it might rain, I had my umbrella; it came in very handy later in the day. The day ~~for~~ turned out to be the stickiest and most unpleasant of the season. I went through the ravine, stopped on my way at Owl Spring. When I reached the river, I proceeded to O.G. where I crossed. I then went to the Cascade, here I ate my dinner. After dinner, I ~~returned~~ returned to the River Rd. and proceeded to Relay and then home by way of B. & O. On my way home, we were treated for some time, to much thunder

Finally it began to rain, and for a short time it poured down in torrents. It rained too while the sun was shining. It was pouring down and though it the sun shone beautifully, producing one of the prettiest rainbows I have ever seen. The harder it rained the closer the rainbow approached, so that the color appeared even between myself and even near-by objects. This is the first time that I ever observed this, generally the rainbows appear so far away that it seems to rest beyond the distant horizon.

614.

September 7, 1904. With Mr. S. to "The Caves". We spent most of our time in the fields and in the woods, we did very little tramping on the roads. While going along a woodland stream we were very much surprised to come across some garments. On approaching closer I saw a woman's skirt and undershirt. Nothing was seen of the fair bather; the poor thing had no doubt been taken to the woods. The day was a most pleasant one and we enjoyed our tramp very much.

615.

September 10, 1904. Along Gwynn's Falls from Dicksville to the park. Home by way of Mt. Washington.

616

September 12, 1904. With George from T. to L. R. and G. E. We met at T. at 8 o'clock. Our trip along Cornwall Bridge Rd was a most pleasant one, as it was shady almost the entire way. We made the trip to L. R. in an hour & a half. We visited the old mill. I was anxious to show G. the old structure and hoped to find it running. It did not take us long to reach it. It is now no longer the fine old mill, a fire having destroyed it almost entirely (either day after Christmas or the day after New Year). The four walls and the old wheel alone remain. At L. R. we observed how low the water was. We understood then why the anxiety about our water supply. Our trip now was not so pleasant. It was very very hot and ~~salty~~ dry. We entered one of the little ravines and ate our dinner beside a brook. After dinner we continued our trip to G. E. Here G. secured a nice picture. We then hiked onward to the Dulany Valley Pike. Distant thunder was heard but we hardly expected rain. Nor did it until we were almost in T. when it poured down for a few minutes. We sought shelter under the blacksmith's shed. After the rain we went through T. visited the Church of the Immaculate and then started for home.

617

September 16, 1904. First trip with Botany Club. We met at Bonnie

Bess and I walked from there to Walbrook. The trip was enjoyed by all.

⁶¹⁸
September 17, 1904. With K. & B. to Furnace Br. in the Kid.
 Had there been a little more wind, our trip would have been a fine one. Our trip up the creek was a lengthy one, it took us about $6\frac{1}{2}$ hrs. About noon, it was very hot and there was no breeze. We felt discouraged and were about to give it up. Nevertheless we plodded onward and finally about quarter past three reached our destination. It was 5.30 P.M. when we were ready to start homeward. For a time the wind was again fickle, then it blew up a little only to die out before we reached the bridge. But once outside of the bridge it blew again and a most favorable one it was. This part of our trip was the best, the moon was shining beautifully and it was delightfully cool. We reached the boat-house at 9.15 P.M.

⁶¹⁹
September 18, 1904 Repeated trip from Bonnie Bess to Walbrook with N. and the children. They enjoyed it very much. Although warm, it was very pleasant.

620

September 20, 1904. When I awoke this morning, it was raining. At breakfast, it was pouring down. Left home about 8:30 A.M. prepared for a siege of rainy weather. It was not raining then, nor did it during my entire trip out, except for a few minutes, while on my way home.

I went to Batonville, walked down Wilton Av. to Orange Grove. crossed the river and then walked along the River Rd to Relay. Near the dam at Avelon, a carpenter was busy building a fish ladder. It is to be 60 feet long; it will cost \$800.. From R. I went home by way of the B & O.

621

September 23, 1904. Second trip with Botany Class from Pimlico Rd and Shirley Lane to Woodbury.

622

September 24, 1904. From Rolling Rd to Union Dam, then along river to Orange Grove. Then to Batonville by way of Wilton Av.

The day was an ideal autumn day

623

September 27, 1904. Repeated trip of Sept. 24, this time, however, going to Hollofields, and from there by way of Johnny-cake Rd to Rolling Rd and from there to Ellicott City cave. Several thunder storms tended to make my trip along the river disagreeable. I was surprised to hear that there had already been frost. I was shown corn, whose leaves had

been covered with ice. Of course, these leaves were now dead. I heard too, that a thunder-storm so late in the season, is generally followed by frost.

⁶²⁴
September 30, 1904. Third trip with Botany Class from Dixeyville to Gwynn Oak Station. To-day we made a study of the trees.

⁶²⁵
October 1, 1904. From Mt. Winiam to Sulphur Sp. Rd to Cannon Rd to Avalon, to Gentian Place, to B & P. R. R. to B & O. R. R. and home. The weather is delightfully cool. The wind, however, is too strong and the roads are very dusty.

⁶²⁶
October 4, 1904. Morning. To the little ravine in Brooklyn. *Eucryphia* is now in fruit. I found my first spathe of *Symphlocarpus foetidus*.

⁶²⁷
October 4, 1904. Afternoon. With Nellie & Percy to Gwynn Oak Park. It was an ideal autumn day.

⁶²⁸
October 7, 1904. Fourth trip with Botany Class. We met at the Edmondson Av. bridge and walked from it to Friedrich Rd following the race-path.

⁶²⁹
October 8, 1904. To Lutherville with a few members of the Botany Class to visit the fruited gentians.

Oct 11, 1904. Along Gwynn's Falls from Edmondson Ave. bridge to Gwynn Oak Park. The day was very sultry, so walking was not a very pleasant pastime. Fortunately it was cloudy most of the time, for when the sun shone it was almost unbearable.

⁶³¹
October 14, 1904. Fifth trip with my botany class. We took the trip through the little ravine near Bevoelgen.

⁶³²
October 15, 1904. A very heavy frost this morning. A trip to Chain woods with the Woman's College Senior Class.

⁶³³
October 16, 1904. With Nellie & the children from Bonnie Bee to Wallbrook. The afternoon was a beautiful one and hundreds of people were out taking advantage of the fine weather.

⁶³⁴
October 18, 1904. A trip from the Washington Rd terminus to Avalon and from there to Patapiscu and home. The day was a beautiful one, rather warm but not too warm. The fish ladder at Avalon is completed.

⁶³⁵
October 20, 1904. Sixth trip with botany class. We met at the bridge beyond Mt. Holly inn. and from there went along the falls. We studied the trees.

⁶³⁶
October 22, 1904 To Washington. Made two trips, one to the

Zoological Park, along Rock Creek, and one to the Potomac. Both trips were fine and will be worth taking in the spring.

⁶³⁷ October 25, 1904. From Curtis Bay to Forest Home by way of Marley Rd, and then to Glenburnie, where I took the train for home. The day was a beautiful one.

⁶³⁸ October 29, 1904. Special trip with botany class. We met at Towson about 9 A.M. There were 11 in the party. The morning was beautiful. The wind having been from the east all-day Friday, I was somewhat surprised to have it so beautiful. There had been a heavy frost so the ground was wet and remained so till in the afternoon. Our trip was to Glen Ellen and from there to Loch Raven. We reached G. E. about noon. Some wished to eat lunch there, but I thought that we would like it better in the woods. However, we found it so damp there, that we did not stop and finally found a nice place near the 3-arched bridge. We reached L. R. about 3.30 P.M. so had plenty of time, our train not arriving before 5.21 P.M. Some of us went down to the old mill. Everybody was pleased and enjoyed the trip immensely. This will be the last trip for

the season.

639.

Nov. 1, 1904 A trip to Brooklyn. I went through the ravine and then along the river. Returned home by way of Annapolis Rd

640

Nov. 5, 1904 To the ravine. It was cloudy, and I thought it would rain, but it failed to materialize.

641

Nov. 8, 1904 Election Day. Roosevelt vs. Parker. Repeated trip of Nov. 1.

642.

Nov. 12, 1904. Repeated trip to ravine, and learned a little more about the little stream I saw last Saturday.

643

Nov. 15, 1904 To Brooklyn. and then to Back Shores. Ponds were frozen with ice.

644

Nov. 19, 1904. To the Severn with B. U. & K. We left Camden Station on the 8.30 A.M. train. We went got off at R's Station. From R's we went to Bent Oak and to the boiling spring. Here we ate our lunch. After dinner we returned to R. B. and here we took the train home.

645

Nov. 22, 1904. Morning. Trip to Brooklyn and vicinity

646

Nov. 22, 1904. Afternoon. Trip out Franklin Road.

647

Nov. 24, 1904. Thanksgiving. With G. from Powhatan to the Patuxent and then to Ellicott City. In the morning when I left

home it was so foggy that I could hardly see across the street. It was impossible to see the car until it was within less than $\frac{1}{2}$ a block from me. But by the time I reached Pratt St. there was very little fog, and by the time I arrived at Walbrook, the sun was shining. All morning, it remained bright, but about 1 P. M. it became cloudy and the wind blew quite sharply. During the afternoon, it was more or less cloudy. A new fish-ladder is being built at Union Dam.

648.

Nov. 26, 1904. With H. M. from Hamilton to the Gunpowder. We met at H. at 9 A. M. The car to Carney had just started so we decided to walk rather than wait the half hour for its return. The morning was a little raw but we were not inconvenienced. C. is 3 miles and 100 feet from H. The car makes this distance in 15 minutes, it took us 45 minutes. From C. to the river is another 3 miles. Arrived at the river we decided to take the left bank of the stream. The road runs along the river bank a short distance, we, however, kept close to river. Just where the road leaves the river is an old mill now going to ruin. We found one tramp's nest in-

teresting. At noon we were near some fine boulders. The spot
was truly picturesque. Here we ate our dinner. After dinner we con-
tinued our trip down stream. Beautiful flood plains were passed.
It was 2.15 P. M. when we decided to return. Coming back we
walked rapidly and made the distance to the road in 40 min.
and to C. in 45 min. more and to H. in another 45 min.

We took the car at H. for Clifton Park arriving there about
5 P. M. After getting a few evergreens we started for home.
⁶⁴⁹ Nov. 27, 1904. To Clifton Park for evergreens etc. Noted that
the Maples were not in fruit.

⁶⁵⁰ December 3, 1904. From the Wilkins Av. terminus to the B & P.
R. R. tracks, then to Arbutus, to Avalon to the Patefarms, to Orange Grove
and home by way of Wilton Av. During the night it rained and
as the ground & the trees were all very cold, the water froze upon
them, so found everything beautifully coated with ice. It was
cloudy all day and the temperature did not change materially
so the ice persisted all day. Near Arbutus met an in-
telligent little fellow, 12 yrs. of age, who had been an inmate
of the Manual Training School, up to about a month ago. He

spoke very highly of Mr. Stabler and said he liked him ever so much better than the new superintendent Mr. Dorsey.

⁶⁵¹

December 6, 1904. To Lutherville. Yesterday we had our second severe snow storm. To-day the ground is covered with about 2 inches of snow. The thermometer, this morning was about 7° below freezing but before noon it must have been above, at any rate it felt delightfully pleasant. Started for home about 3 P. M.

⁶⁵²

December 10, 1904. Snow all day. Left home about 9.30 A. M. for Dikelyville. Arrived at D. about 11 o'clock. From D. I proceeded towards Gwynn Oak Park. The woods buried under the deep snow looked most beautiful. On my way secured a number of dry fruits. Found some beautiful specimens of *Dacrydium* attached to a decaying tree trunk. Ate my dinner under the bridge near Gwynn Oak Park. Took the car for home at Gwynn Oak Station.

⁶⁵³

December 13, 1904. A trip to Brooklyn and vicinity. Snow is everywhere. In the woods it is at least 6 inches deep.

⁶⁵⁴

December 17, 1904. Snow has covered the earth since the 5th. When I left home it was cloudy with indications of snow. Repeated

trip of Dec. 3. Before reaching the Patuxent, it had begun to snow and continued to do so the rest of the day. It was a wet snow and soon made the trees look most beautiful. Secured a number of woody fungi, *Polyphoma* on my way along the River Rd. They were growing on a willow. Arrived at Catonsville about 3 P. M. From B. I proceeded to Clifton Park. Learned that the plants I observed on my last trip were *Amarpha* and *Rhodotyphrus*.

⁶⁵⁵

Dec. 31, 1904. I took a trip to-day along Bryans Falls. The warm weather during the past few days has melted most of the snow, still, in the thick woods & in abn among the brush there is still plenty of snow. To-day, it is remarkably warm, the thermometer rising to 58° ; the air is so balmy, it seems like an ideal spring day.

⁶⁵⁶

Jan. 2, 1905. The first trip of the new year. It is quite warm, cloudy, and threatening to rain. Took W. & P. across the river to B. and we paid a visit to the skunk cabbage region. Skunk cabbage was found in full bloom & so also were the dandelion, chickweed and *Poa annua*.

Jan. 7, 1905. A trip to the head of Arundel Cove. Last Tuesday we had snow, then for two days it was quite cold, but yesterday it was very much warmer and we had heavy downpours of rain. To-day it is getting colder, cloudy and threatening snow. The river is filled with muddy water and all the water-ways are overflowing. Nearly all the snow has disappeared, only in the deep woods on hill-sides facing northward, are thin patches of it still to be found. My first plan was to go along the river but I changed ~~this~~ & decided to examine part of the shore line along Curtis Creek. After crossing the bridge at the mouth of the creek I proceeded out the road as far as the school-house. Here I found a path leading towards the head of the cove which is not very far from the road at this point. I spent several hours here and found the place very interesting. The streams that flow here are of the same nature as those generally observed in A.A.

Jan. 14, 1905. A cold raw day. The wind blowing from the north. Started from Wilkeson terminus, proceeded to Patepeco. Ate my dinner at the well-known willow region. Here I found a pretty more

growing on the trees. From Patapsco I went to Pumphrey and then home by way of the Annapolis Rd.

659

January 21, 1905. A trip to Union Dam, Shedes of Death, and Hollifields. Since Tuesday evening, it has been remarkably mild. Secured to-day two limnates, two masses and a few woody fungi. Batharmin is in nice shape and other masses are coming into fruit.

660

Jan. 24, 1905. To Brooklyn. The day was beautiful, no snow on the ground anywhere in the country. Found several good limnates.

661

Jan. 28, 1905. On Wednesday we had a heavy snow-fall, followed by a very cold snap. On Thursday we had our coldest temperature thus far this winter 6° F. Snow, therefore, covers the earth everywhere. Took a trip this afternoon out Franklin Road.

662

Jan. 31, 1905. A trip from Druid Hill Park to Hampden, by way of Green Sp. Valley Rd, etc. Snow covered the ground everywhere to the depth of more than 6 inches. The branch was frozen. Secured some branches of *Paper* also some of *Cucis*.

663

Feb. 4, 1905 Through the ravine & along the River Rd to Relay.

Snow every where; in the woods from 4 to 6 inches in depth.
All during the day, as also on my trip^{last} Tuesday the sharp crack
of splitting trees, caused by the frost was heard. The sun shone
beautifully all day. The ravine to-day illuminated with the sun-
light and the ground covered with snow looked beautiful:
Collected Willow-twigs. Found also a great many crystals.
A new bridge has been built across the Patuxent at Orange Grove.
⁶⁶⁴
February 7, 1905. Took the Wilkins' Av. car to Baton Ar. then
proceeded to the willow region and from there to the stock
yards. It was very cold, snow everywhere. The surface is
frozen and one can walk over it pretty safely; however, one
does occasionally sink, giving one a rather disagreeable feeling
of insecurity. Being close to the *Archia spinosa* region, I de-
cided to visit the spot to see if the story of its utter de-
struction were true. I found that some had been dug
out but there was still one excellent specimen remain-
ing. I now walked along the W. M. R. R. I thought of pro-
ceeding along the falls to Wallbrook, but when I got beyond
Edmondson Ar. found the route too dangerous for enjoyment.

* Thermometer was $5^{\circ} F$.

so returned to Edmondson Av. and took the car for home.

665

February 11, 1905. Took a trip to Brooklyn. Snow everywhere.

Overhead it was beautiful, the air too, was balmy. My intentions were to visit the swampy regions and look for hepatics but found even here too little of the surface uncovered for profitable work. Mr. Cherry is cutting out the dead wood, I hope the wood-choppers will not injure this region.

The birds must be very hungry. I stopped quite awhile to chat with one of the wood-choppers, an old negro. Many birds flocked about us, notwithstanding the noise of the ax. They were too eager to searching for and picking out the ~~the~~ worms in the decaying wood to mind either us or the noise.

666

February 14, 1905. I believe to-day the coldest day ^{*}this winter, at any rate it feels so to me. To-day for the first time this year, I put on my overcoat. Snow everywhere on the roads it is mostly ice. My trip to-day was from Mt Holly inn to Guyton Oak Station.

667

February 18, 1905. A beautiful day notwithstanding the snow, which

still covers the earth and the brisk breeze from the north-west, I started from the Wilkins Rv. terminus and proceeded to Arbutus, then to Avalon. It was about 11 o'clock when I came to the Sulphur Spring Hotel so decided to seek its shelter and eat my dinner. Immediately in front of the hotel on the road is an immense snow drift. It was the largest drift I had seen, being fully four feet high; - but after dinner, I came to one still larger. On Cannon Rd I found the snow even with the hill-top! This drift is fully 8 feet high! At Avalon, I crossed the river and proceeded along the River Rd to Orange Grove. Here I crossed the stream and proceeded along the tracks to Dechester, from whence I proceeded to Batonville. Several interesting observations were made. Collected a moss in fruit on the willow just beyond Dugan's.

⁶⁶⁸
Feb. 22, 1905. Washington's Birthday. Took trip to-day through Chaney's and along the river. Snow still covers the ground but it is no longer firm, the mild weather yesterday and the day before when it also rained, has made it quite "rotten". Notwithstanding there were fewer open places along the river than I had expected, secured two limnates, think, however that I have already collected them before.

⁶⁹
February 25, 1905. I left home to-day about 7.30 A. M. and took the Curtis Bay car for the new bridge. The morning was beautiful, the day, turned out to be an ideal spring day. I reached the bridge across Cabin Br. about 8 o'clock. The roads were sufficiently frozen to make walking a pleasure. This fine condition of the roads however, did not last very long. Before noon they were beginning to get soft and in the afternoon they were simply slush. Walking over the snow was now most disagreeable. I proceeded to Marley and then to the dam; returned again to M. and proceeded to Glenburnie and home by way of the Annapolis Rd.

⁶⁷⁰
Feb. 28, 1905. A trip along Franklin Road to the little bridge. From there to Edmondson Av. Two fine mosses in fruit were secured. Snow still covers the hill-sides facing the north. Hill-sides facing the south, however, have many broad patches entirely free of snow.

⁶⁷¹
March 4, 1905 Inauguration Day. Early this morning, there was a little hail, a very little. When I set out from home, about 9 A. M. the sun was shining beautifully & there was very little wind; and one would think that the day would be an ideal one. I took the car to Brooklyn and then set out for the road along the

river. I had not proceeded very far when the wind began to blow. At times it became very blustering, however, in the woods protected from the wind, and especially when the sun shone, it was most enjoyable. I ate my lunch in the little woods on the right side of the road, just beyond the old house. Skunk Cabbage is very plentiful here. Reached Pumphrey station about 1 P. M. As it was so very blustering about this time, I decided to start homeward, and so followed the railroad tracks. Arrived home at 3.30 P. M. The wind now had moderated somewhat and the day continued bright & pleasant. Very much snow has disappeared during the past week. There is none in the fields or wherever the sun shines all-day. Several golden-crowned kinglets were observed.

672

March 7, 1905 To the ravine. Cloudy when I left home and it looked as if it would rain. Just as I entered the ravine it began to hail and gradually turned to rain. I went as far as Owl spring and then returned. There is still plenty of snow in the ravine. Secured some fine *Porcella pinnata*. Observed that my specimen of *Hepatica acuta* is still alive. Stopped at the

pond to see if any salamanders' eggs had been deposited, but found none as yet.

673

March 11, 1905. To Furnace Branch. Left home about 8.15 A.M. and took the car to Brooklyn, from whence I walked to Furnace Br. Arrived at Furnace Br. at 10 o'clock. Proceeded along the branch to the old furnace; visited Tinker Creek and then returned to Annapolis Rd and home. The day was beautiful, rather warm. Snow has disappeared almost entirely, only here and there are still to be found the remains of some large drift. Reached home about 6 P.M.

674

March 14, 1905. To Brooklyn and vicinity. Black birds have arrived. Heard to-day the frogs for the first time this year.

675

March 18, 1905. A most beautiful day. For the past few days it has been quite spring-like. Yesterday, St. Patrick's Day, was an ideal spring day, and to-day, is even prettier. It is much warmer, the thermometer reaching 75° F. I left home about 9.30 A.M. Decided to try a new route to Loch Raven. Took the car to Hamilton, then to Carnay. Arrived at C. proceeded out the road to the blacksmith's from whence I crossed over to L.R. I did not find the route very interesting. From L.R. proceeded to the 3-arched bridge, then to Glen Ellen and

from there to the pike and to Pomona. Arrived home at 7 P.M.

⁶⁷⁶ March 21, 1905. To Brooklyn and vicinity. Since Sunday, there has been, almost continuously, rain. No snow to be found anywhere on this trip. Notwithstanding the rain the birds were very active and more than once I stopped to hear them singing.

⁶⁷⁷ March 25, 1905 A.M. To Brooklyn and vicinity. Spent some time in the little ravine. Observed two hog-nosed snakes sunning themselves; a pretty little bird, about $\frac{2}{3}$ size of our Eng. sparrow with black head and throat, rest body gray. that sang its little song very sweetly; and a little tree frog in the water. Visited the arbutus region but found no flowers, however, think I could have found some had I spent more time in the region. Alder was found in bloom.

⁶⁷⁸ March 25, 1905 P.M. To the ravine. Hepaticas in bloom so also the Hazel. Alder however ^{was} ~~had~~ not.

The day was ~~an~~ ideal one the thermometer reaching 66°F. During the week there had been much rain, the streams were therefore quite swollen. The warm weather is having its effect and signs of spring are everywhere observed. The weeping willow

is showing tints of green in its branches.

⁶⁷⁹
March 28, 1905. The warmest day so far this spring. A trip to Glenhorne, Furness Br., and Swan Creek. The warm weather of the past few days has had a great effect up the plants. The alder everywhere, is in full bloom. It has not, however, had any very marked effect upon the Arbutus, it still is rather backward only a few blossoms were found. The thermometer reached 80°F .

⁶⁸⁰
April 1, 1905. Trip to the Severn. The weather continues warm, there has been no frost since the 16th of last month. March, no doubt, has been warmer than the average. Took the early train to Earleigh Heights, proceeded to Barton's; then went to Round Bay. From R. B. proceeded to Robinson where I awaited the 6.30 P. M. train. Large forest fire caused by sparks from engines on the railroad were observed. One starting from the vicinity of Earleigh Heights had burned over an enormously large area. As I was on my way from B's to Robinson I had to pass through the region where it was burning. At least a dozen people were observed fighting the fire and trying to prevent it from crossing the road. Mr. Linsbach told me it had destroyed \$30000

worth of wood for him. Mr. Brennan told me it had been burning already a day and a half.

⁶⁸¹
April 4, 1905. To the ravine. I left home at 8 A. M.

It was cloudy at times, nevertheless quite warm. The warm weather is making flowers come out everywhere; fifteen new ones were added to my list to-day.

⁶⁸²
April 8, 1905. Along the Patapsco. There has been a change in the weather. To-day it is quite blustering, however, the thermometer did not go below 36° F. At H. I met a Mr. Bennett, he has been getting together some walnut, piled up near the station was a fine lot of this valuable timber.

⁶⁸³
April 10, 1905. From Wilkin Av. to B. & P. R. R. to Arbutus to the Patapsco to Washington Rd., to B. & P. R. R. to B. & O. R. R. and home. It was very sultry; threatening and towards 4 o'clock it began to lighten and thunder and to rain a little later.

Left home at 7 A. M. and expected to meet Mr. Allen, but on account of the weather he did not come. Observed Pear in bloom. What a disagreeable odor the blossoms have, and yet they are closely related to the apple.

⁶⁸⁴ April 13, 1905. With Botany Class to Blue Bell hill

⁶⁸⁵ April 14, 1905 With Botany Class, Section B., to along Gwynne's Falls from Edmondson Av. to Frederick Rd.

⁶⁸⁶ April 15, 1905 Morning. With Schreiner along Franklin Rd to Poughkeepsie

⁶⁸⁷ April 15, 1905 Afternoon. Along B. & O. R. R. to Locust Point

⁶⁸⁸ April 16, 1905. With Allen to Brooklyn. It was very blustering and at times we had snow flurries. It was most disagreeable in the wind. In the little ravine, however, it was quite pleasant.

⁶⁸⁹ April 18, 1905 With Allen through the ravine. He thought it the prettiest place he has ever seen. We met at Catonsville terminus went through the ravine, crossed the river at Orange Grove and proceeded to Annapolis. Here we recrossed the stream and proceeded to Wilkins Av. car by way of Sulphur Sp. Rd. It is still cold and disagreeable. Last night there was ice, but the cold does not seem to have damaged any of fruit. We met at 8 A.M. returned home by 6.30 P.M.

⁶⁹⁰ April 20, 1905. An all-day trip with my botany class (Section A). We met at Towson, ^{and} at 9.30 A.M. and started for Glen Ellen. It was quite warm and a little sultry, so we walked along quite slowly

* One tree in which a woodpecker had made its home attracted our attention. The opening into the tree was immediately under a large Polyporus, which seemed to have been done purposely, the Polyporus serving as a roof over the entrance.

It was, therefore, twelve o'clock before we reached Glen Ellen. On the way we stopped frequently to examine the trees along the road side. I was much pleased to find so many pitted poplars. At the lime kiln we saw a fine lot of *Asterella hemisphaerica*. Arrived at Glen Ellen we got permission to go through the building. This was quite a treat. We then sat down on the porch and ate our lunch. After dinner we proceeded to the Gunpowder and to Meredith Bridge. This part of our trip was considered quite a treat but it was nothing compared to what we saw later. When quite close to Meredith bridge, it began to rain but it did not last long. We however, had to seek shelter in a near-by barn. It was now that some decided to remain at the barn, while the rest of us continued onward to the Montezuma region. This portion of our trip was really idealistic, it was only a pity that we had to go so far to get to it. By the time we got back to the barn, it was quarter to five and by the time we reached Pomona it was quarter to seven. Everybody was very much tired out when we finally reached the cave.

⁶⁹¹
April 21, 1905. An all-day trip with Section B. of Botany Class through the ravine. We left the terminus at 9.30 A.M., reached Owl Spring at 12 o'clock, ate lunch and then proceeded to Fox Run.

Returned home by way of Fox Run. On way home, we had a shower

⁶⁹²
April 22, 1905. Along B & O. R. R. tracks to Fort An. and then through Locust Point and return by way of Riverside Park.

^{693.}
April 24, 1905. Batonville to Ucheeter and then along river to Avalon and home by way of Sulphur Spring Rd and Wilkins Av.

⁶⁹⁴
April 27, 1905. Trip along Swynn's Falls from Widenor Mills Rd to Dickeyville. On account of the rain, my class did not accompany me.

⁶⁹⁵
April 28, 1905 Trip with Section B. from Pinch's Rd and Shirley Lane to Woodbury. Although cloudy in the morning, it cleared in the afternoon. Houses are being built along Pinch's Rd from Fifth An. to Shirley Lane.

⁶⁹⁶
April 29, 1905. A trip was proposed to-day for members of the Botany Section of the Academy of Sciences but because of the weather I alone made the trip. We were to meet at Camden Station and take the 8.30 A.M. train for Elmaton. My trip was to Elmaton and Mabel and vicinity.

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